

# PROJECT 10073 RECORD CARD

1. DATE 4 July 1963		2. LOCATION 26.04N 127.53E (Far East)		12. CONCLUSIONS <input type="checkbox"/> Was Balloon <input type="checkbox"/> Probably Balloon <input type="checkbox"/> Possibly Balloon  <input type="checkbox"/> Was Aircraft <input type="checkbox"/> Probably Aircraft <input type="checkbox"/> Possibly Aircraft  <input type="checkbox"/> Was Astronomical <input type="checkbox"/> Probably Astronomical <input type="checkbox"/> Possibly Astronomical  <input checked="" type="checkbox"/> Other Satellite <input type="checkbox"/> Insufficient Data for Evaluation <input type="checkbox"/> Unknown	
3. DATE-TIME GROUP Local _____ GMT 04/1125Z		4. TYPE OF OBSERVATION <input checked="" type="checkbox"/> Ground-Visual <input type="checkbox"/> Ground-Radar <input type="checkbox"/> Air-Visual <input type="checkbox"/> Air-Intercept Radar			
5. PHOTOS <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		6. SOURCE military			
7. LENGTH OF OBSERVATION 6 min		8. NUMBER OF OBJECTS one		9. COURSE NE	
10. BRIEF SUMMARY OF SIGHTING Obj appearing as 1st mag star observed at 200 deg azimuth 10 deg elevation in flight to 085 deg azimuth 17 deg elevation after steady flight with max altitude of 25 deg. Total duration observed 6 min. Disappeared suddenly. 7X BX used. Object believed to be Satellite.				11. COMMENTS At 04/1125Z ECHO was heading SE and not visible at the location of the observer. Possible observation of other visible satellite, such as 1961 Beta Theta. Case considered as a Satellite observation since all information conforms with this analysis.	



NAVAL MESSAGE

UNCLASSIFIED

NAVY DEPARTMENT

PRECEDENCE OPERATIONAL IMMEDIATE	RELEASED BY	DRAFTED BY	EXT. NO.
OPERATIONAL IMMEDIATE			

AF IN : 26541 (4 Jul63) G/crp

O 041215Z

FM USS 009K

TO COMNAVPAC

AF DIST: NIN-9, XOP-1, XOPX-4, SAF-OS-3, DIA-25,  
DIA-CIIC-2 (44)

INFO ZEN/CTF 76

CTG 76.1

COMNAVFORJAPAN

CNO

CINCPACFLT

UNCLAS

UFO

A. CINCPACFLT INST 3822.3

1. OBJECT APPEARED AS WHIT, FIRST MAG STAR. APPEARED AS PINPOINT  
WHEN VIEWED WITH BINOCULARS.2. OBSERVER NOTED WHAT LOOKED LIKE MOVING STAR. FIRST OBSERVED  
ABT 200 TRUE ABT ALT 10 DEG. DISAPPEARED 285 TRUE ALT 17 DEG OBJECT  
WAS STEADY, CLIMBED TO ALT ABT 25 DEG BEFORE DESENDING. DIS-  
APPEARED SUDDENLY. TIME OF SIGHTING AT ABT 300 UKN, BUT TIME  
TAKEN TO PASS FROM 0V55 TO 086 WAS 6 MIN.

3. GROUND VISULA BY 7 POWER BINOCs RING LONG GLASS

1039 338.87  
-148  
190°-

4. DISAPPEARED AT 041125Z, LATE DUSK. *Se → 20N*

5. SHIP LOCATED 26 04.25N, 127 53.5E

6. J. R. GRIFFIN, LCDR, CO, AGE 33 W. L. MORANDINI, ENS, OOD, AGE 25  
T. H. GADDY, SN LOOKOUT, AGE 22 ~~REDACTED~~ SA OFF DUTY, AGE 18  
L. H. HINES, LTJG, VJOD AGE 22

92...COG

SECNAV..UNSECNAV..ASST SECNAV (R&amp;D)..02..09..09B..09M..09D..03..33

34..35..05..06..07..72..76..94..IP..NAVAIDE..FLAGPLOT..BFR..CMC

JCS..CSA..CSAF..CIA..NIC..COGARD

ADVANCE COPIES DELIVERED

CONTROL NO.	CIRCUIT NO.	PAGE	OF	PAGES	TIME OF RECEIPT	DATE TIME GROUP
52167/WB/YO/2	B 128	1		2	1510Z 04 JUL 63	041215Z JUL 63.

UNCLASSIFIED



NAVAL MESSAGE

UNCLASSIFIED

NAVY DEPARTMENT

PRECEDENCE	(ACTION)	RELEASED BY	DRAFTED BY	EXT. NO.
	INFORM			

7. CLEAR NIGHT, CEILING UNLIMITED CUMULUS CLOUDS, COVERAGE, 2 TENTH.
8. NO AIR TRAFFIC SIGHTED
9. PREPARED BY CO. BELIEVE OBJECT SATELLITE.
10. NO OTHER EVIDENCE. FIRST ACTUAL BRG TAKEN WHEN OBJECT WAS AT 066. INITIAL SIGHTING ESTIMATED BY TUCKER.

CONTROL NO.	CIRCUIT NO.	PAGE	OF	PAGES	TIME OF RECEIPT	DATE TIME GROUP
52157		2		2		041215Z JUL 63.

UNCLASSIFIED



SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES									
EQUATOR S-N		SOUTH-NORTH		NORTH-SOUTH					
TIME (UT)	LONG. (W)	LAT.	TIME CORR.	LONG. CORR.	HT. (MI)	BEAR. (N-E)	TIME CORR.	LONG. CORR.	HT. (MI)
JUNE 30, 1963									
1 11.0	177.84	47.5	26.7	-83.21	883	90.0*	26.8	-83.26	883
3 6.0	206.95	45.0	21.7	-61.09	813	72.2*	32.0	-105.34	955
5 1.1	236.05	40.0	17.7	-45.86	764	60.7*	36.3	-120.48	1010
6 56.7	265.17	35.0	14.3	-36.22	731	54.0	39.5	-130.03	1047
8 51.2	294.27	30.0	12.4	-28.86	707	49.4	42.4	-137.30	1077
0 45.3	323.39	20.0	8.0	-17.49	674	43.8	47.6	-148.46	1121
2 41.4	352.50	0.0	0.0	0.0	655	40.0	57.3	-165.51	1161
4 36.5	21.62	-20.0	-8.0	17.48	691	43.8	-40.1	149.32	1141
6 31.5	50.73	-35.0	-12.4	28.84	731	49.4	-42.9	137.17	1105
8 26.6	79.84	-50.0	-14.9	36.20	759	54.0*	-40.0	129.91	1079
0 21.7	108.95	-60.0	-17.8	45.83	796	60.7*	-36.7	120.37	1045
2 16.8	138.06	-65.0	-21.8	61.04	849	72.2*	-32.4	105.25	993
		-67.5	-27.0	83.14	921	90.0*	-27.0	83.19	921
JULY 1, 1963									
0 11.8	167.17	47.5	26.5	-83.23	868	90.0*	26.7	-83.28	868
2 6.9	196.28	45.0	21.6	-61.11	800	72.2*	31.9	-105.37	940
4 2.0	225.39	40.0	17.7	-45.88	752	60.7*	36.1	-120.52	996
6 57.0	254.50	35.0	14.3	-36.23	721	54.0	39.3	-130.07	1035
8 52.1	283.61	30.0	12.4	-28.86	698	49.4	42.2	-137.34	1066
0 47.2	312.72	20.0	8.0	-17.49	667	43.8	47.4	-148.41	1113
2 43.3	341.83	0.0	0.0	0.0	648	40.0	57.1	-165.57	1160
4 38.4	22.94	-20.0	-8.0	17.48	687	43.8	-40.3	149.27	1158
6 33.5	52.05	-35.0	-12.4	28.83	721	49.4	-43.0	137.12	1116
8 28.6	81.16	-50.0	-14.9	36.18	743	54.0*	-40.1	129.87	1091
0 23.7	110.27	-60.0	-17.8	45.82	780	60.7*	-36.9	120.33	1058
2 18.8	139.38	-65.0	-21.8	61.02	831	72.2*	-32.5	105.21	1007
4 13.9	168.49	-67.5	-27.0	83.11	901	90.0*	-27.1	83.16	936
JULY 2, 1963									
1 8.6	174.92	47.5	26.5	-83.28	877	90.0*	26.5	-83.33	878
3 3.6	204.02	45.0	21.5	-61.14	772	72.2*	31.6	-105.43	909
5 58.7	233.13	40.0	17.6	-45.90	724	60.7*	35.8	-120.59	966
7 53.8	262.24	35.0	14.3	-36.24	701	54.0	39.0	-130.16	1006
9 48.8	291.35	30.0	12.3	-28.87	682	49.4	41.8	-137.44	1040
1 43.9	320.46	20.0	8.0	-17.50	659	43.4	46.9	-148.62	1093
3 39.0	349.57	0.0	0.0	0.0	639	40.0	56.6	-165.69	1156
5 34.0	18.68	-20.0	-8.1	17.47	713	43.7	-40.8	148.15	1157
7 29.1	47.79	-35.0	-12.5	28.87	763	49.4*	-43.5	137.02	1135
9 24.2	76.90	-50.0	-14.1	36.16	795	54.0*	-40.5	129.77	1114
1 19.2	106.01	-60.0	-17.0	45.79	836	60.7*	-37.2	120.24	1084
3 14.3	135.11	-65.0	-21.1	60.98	893	72.2*	-32.8	105.13	1037
5 9.4	164.22	-67.5	-27.4	83.05	967	90.0*	-27.4	83.10	967

SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES									
EQUATOR S-N		SOUTH-NORTH		NORTH-SOUTH					
TIME (UT)	LONG. (W)	LAT.	TIME CORR.	LONG. CORR.	HT. (MI)	BEAR. (N-E)	TIME CORR.	LONG. CORR.	HT. (MI)
JULY 4, 1963									
1 4.4	193.33	47.5	26.4	-83.30	822	90.0*	26.4	-83.35	822
2 59.5	222.44	45.0	21.4	-61.15	759	72.2*	31.5	-105.46	892
4 54.6	251.55	40.0	17.6	-45.90	717	60.7*	35.7	-120.63	949
6 49.6	280.66	35.0	14.7	-36.25	691	54.0	38.8	-130.20	991
8 44.7	309.77	30.0	12.3	-28.88	674	49.5	41.6	-137.48	1026
10 39.7	338.87	20.0	8.0	-17.50	655	43.8	46.7	-148.67	1082
12 34.8	7.98	0.0	0.0	0.0	662	40.0	56.3	-165.75	1151
14 29.9	37.09	-20.0	-8.1	17.47	723	43.7	-49.0	148.09	1164
16 24.9	66.20	-30.0	-12.6	28.81	776	49.4*	-43.7	136.96	1144
18 20.0	95.31	-35.0	-15.1	36.15	809	54.0*	-40.7	129.72	1125
20 15.1	124.42	-40.0	-18.1	45.76	851	60.7*	-37.4	120.19	1097
22 10.1	153.52	-45.0	-22.2	60.95	909	72.2*	-33.0	105.09	1051
		-47.5	-27.5	83.02	983	90.0*	-27.5	83.07	983
JULY 5, 1963									
0 5.2	182.63	47.5	26.3	-83.32	808	90.0*	26.3	-83.37	808
2 0.3	211.74	45.0	21.4	-61.16	747	72.2*	31.4	-105.49	877
3 55.3	240.85	40.0	17.5	-45.91	707	60.7*	35.5	-120.66	934
5 50.4	269.96	35.0	14.7	-36.25	684	54.0	38.7	-130.24	976
7 45.4	299.06	30.0	12.3	-28.88	668	49.5	41.5	-137.52	1012
9 40.5	328.17	20.0	8.0	-17.50	652	43.8	46.5	-148.72	1070
11 35.6	357.28	0.0	0.0	0.0	665	40.0	56.1	-165.80	1146
13 30.6	76.39	-20.0	-8.1	17.46	733	43.7	-49.2	148.04	1157
15 25.7	105.50	-30.0	-12.6	28.79	783	49.4*	-43.9	136.91	1141
17 20.7	134.60	-35.0	-15.2	36.13	822	54.0*	-40.9	129.65	1114
19 15.8	163.71	-40.0	-18.2	45.75	865	60.7*	-37.6	120.13	1084
21 10.9	192.82	-45.0	-22.3	60.93	924	72.2*	-33.1	105.05	1065
23 5.9	221.93	-47.5	-27.6	82.98	998	90.0*	-27.6	83.03	998
JULY 6, 1963									
1 1.0	201.03	47.5	26.2	-83.34	793	90.0*	26.2	-83.39	793
2 56.0	230.14	45.0	21.3	-61.17	734	72.2*	31.3	-105.51	861
4 51.1	259.25	40.0	17.5	-45.92	697	60.7*	35.4	-120.70	918
6 46.2	288.36	35.0	14.7	-36.26	676	54.0	38.5	-130.28	960
8 41.2	317.46	30.0	12.3	-28.88	662	49.5	41.3	-137.57	997
10 36.3	346.57	20.0	8.0	-17.49	650	43.8	46.3	-148.77	1057
12 31.3	15.68	0.0	0.0	0.0	670	40.0	55.9	-165.86	1140
14 26.4	44.78	-20.0	-8.1	17.45	744	43.7	-49.5	147.98	1169
16 21.5	73.89	-30.0	-12.7	28.78	801	49.4*	-44.1	136.85	1158
18 16.5	103.00	-35.0	-15.3	36.12	837	54.0*	-41.2	129.61	1143
20 11.6	132.11	-40.0	-18.3	45.72	881	60.7*	-37.8	120.09	1120
22 6.6	161.21	-45.0	-22.4	60.90	941	72.2*	-33.3	105.00	1079
		-47.5	-27.8	82.95	1014	90.0*	-27.8	83.00	1014

# MODIFIED ORBITAL ELEMENTS FOR EARTH SATELLITE 1960 IOTA 1

REFERENCE TIME 1963 Y 6 M 22 D 1 H 15.89 M UT  
 INCLINATION 47.27 DEG.  
 ASCENDING NODE (LONG.) 144.80 DEG. WEST  
 PERIODE SWEEP INTERVAL ONE DAY -16.94 MIN.  
 ARGUMENT OF PERIGEE 336.51 DEG.  
 RATE OF CHANGE 0.27848 DEG. PER PERIOD  
 ANOMALISTIC PERIOD 115.172 MIN.  
 RATE OF CHANGE -0.00018 MIN. PER PERIOD  
 ECCENTRICITY 0.05051  
 RADIUS OF PERIGEE 4625.9 MILES  
 RADIUS OF APOGEE 5118.1 MILES  
 RATE OF CHANGE -0.13 MILES PER DAY  
 ASCENDING NODE (R.A.) 143.51 DEG.  
 RATE OF CHANGE -3.30020 DEG. PER DAY  
 LATITUDE OF PERIGEE -17.02 DEG.  
 READ-IN EXPECTED MAG. +1